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Y. Frank Jou  
January 27, 2006

IN THE UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF DELAWARE

C.A:04-1199 (SLR)

SRI INTERNATIONAL, INC., )  
a California Corporation )

Plaintiff and )  
Counterclaim Defendant, )

v. )

INTERNET SECURITY SYSTEMS, INC., )  
a Delaware Corporation, INTERNET )  
SECURITY SYSTEMS, INC., a Georgia )  
Corporation, and SYMANTEC )  
CORPORATION, a Delaware )  
Corporation, )

Defendants and )  
Counterclaim-Plaintiffs. )  
- - - - - )

VIDEOTAPED DEPOSITION

OF

Y. FRANK JOU

At Raleigh, North Carolina  
January 27, 2006 - 9:53 a.m.

Reported by:  
Debra D. Bowden

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1           yeah, it -- sorry, I couldn't --

2       Q.    Maybe when we take a break I'll call to my  
3           office and see if we have that in house.

4       A.    Yeah, that would tell us clearly, you know.  
5           Because we had reference date here, and if  
6           the BAA is before this, then certainly, you  
7           know, this is -- but I would think this  
8           must be the discussion notes I took, you  
9           know, between MCNC and NC State at the time  
10          to come up with the proposal. So  
11          definitely this would be after, I would say  
12          this is after the BAA is announced. But  
13          whether, you know, before we submit a  
14          proposal or not, I think that was the  
15          question I had. You know, whether this was  
16          before we submit a proposal or afterwards.  
17          Definitely, you know, the context of these  
18          notes was the discussion related to JiNao,  
19          and certainly that took place after we saw  
20          the BAA, as I recall.

21       Q.    With respect to the stats based part of  
22           JiNao --

23       A.    Um-hmm.

24       Q.    -- did you use an algorithm that was

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1 developed at SRI?

2 A. Yes, pretty much that was the phase  
3 algorithm. We might have modified certain  
4 parameters there, but the framework was  
5 borrowed from SRI, as I recall, called  
6 NIDES, N-I-D-E-S.

7 Q. And how did it come to be that you used the  
8 SRI NIDES algorithm?

9 A. Well, at that time, as I recall, DARPA  
10 actually promote the idea. You know, other  
11 people's -- you know -- the research  
12 results, you know. There is nothing  
13 preventing -- because we are not for  
14 commercial purpose. So actually that was  
15 encouraged by DARPA so that you can, you  
16 know, help others and come up with  
17 something more advanced. That was I think  
18 one of the reasons, you know, the project  
19 was selected, because we view it on top of  
20 them and come up with integrated solution.

21 Q. To your knowledge, was the NIDES algorithm  
22 used for network data, internet network  
23 data?

24 MS. PRESCOTT: Objection to form.

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1 we were interested in protecting at that  
2 time, and OSPF finally was the target  
3 protocol that we chose to focus our effort  
4 upon.

5 Q. Did the NIDES algorithm -- well, let's step  
6 back. Did you receive a NIDES algorithm  
7 from SRI?

8 A. Did I receive? No. I basically searched  
9 the internet and -- basically we came up  
10 with this true complementary algorithm, if  
11 you will, one is statistical based, one is  
12 protocol analysis based. So you know, we  
13 look around how we implement this. And so  
14 we search around, and we understand NIDES  
15 already developed a certain very nice  
16 algorithm in the statistical analysis  
17 arena. So that's why we talked to SRI  
18 folks and, you know, get a -- a detail of  
19 their algorithm. And we use that as a  
20 base. Yeah.

21 Q. When did you start contact with SRI?

22 A. When did I start contact with SRI? I don't  
23 recall exactly, but somewhere around that  
24 time frame, I would say. After we

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1 establish statistical algorithm as the  
2 component, one of the major component in  
3 our design, we did a prior search, if you  
4 will, and then we found out SRI has this  
5 algorithm available. Developed, I should  
6 say. And so we talked to them. As far as  
7 time frame, I don't recall, you know,  
8 exactly when that happened.

9 Q. Do you recall who you spoke with first at  
10 SRI about the statistical algorithm?

11 A. Did I recall who I spoke to first? I don't  
12 recall clear, exactly, but one of three  
13 persons, I would say, was Peter Neumann was  
14 one possibility, and Al was another one,  
15 and Phil Porras was another one. Yeah, I  
16 think one of three. I don't recall who I  
17 spoke to first, but yeah.

18 Q. And Al, you mean Al Valdes.

19 A. Yes.

20 Q. If you could page into the notes into the  
21 laboratory images 68 and 69. And you'll  
22 see the entry at 68 is 82796.

23 A. Um-hmm.

24 Q. And the top is Teresa Lunt. Do you see

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- 1 Q. Did you meet with Mr. Valdes about that  
2 time frame?
- 3 A. Yeah, based upon these, I think yeah, I did  
4 meet with him.
- 5 Q. Do you recall if you met with anybody else  
6 at SRI?
- 7 A. Do you mean during the conference, or  
8 afterwards, or --
- 9 Q. Afterwards.
- 10 A. Afterwards, if I recall correctly, I might  
11 have paid them a visit at SRI. And you  
12 know, to -- I visited them once. That's  
13 what I recall. But I don't know whether  
14 this was the time I visit them. But this  
15 might be that time. Yeah.
- 16 Q. Now, at your visit do you remember -- well,  
17 do you remember who you met with at SRI  
18 during that visit?
- 19 A. The main one I thought was Al. Because  
20 that was -- you know, Phil might be there  
21 as well, but I don't -- I couldn't be  
22 hundred percent sure, but if I visit them  
23 at that time, I think it's mainly to  
24 understand better what other statistical

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1 methodology they developed, so basically  
2 went there to get a better understanding of  
3 the NIDES, the statistical module. Yeah.

4 Q. Do you remember what Mr. Valdes told you  
5 about the statistical methodology?

6 A. Well, basically they -- if I recall  
7 correctly, I got a technical report from  
8 them about this NIDES statistical  
9 algorithm. You know, so -- and basically  
10 he went over briefly with me, you know, how  
11 it came about, what's the gist of the  
12 algorithm. Yeah.

13 Q. Were there any discussions at this meeting  
14 about using network data as a data source  
15 for the statistical algorithm?

16 A. Network data? Are you referring to OSPF?

17 Q. Yes.

18 A. I thought, you know, we made it clear, our  
19 target, the target of our protection was  
20 neuro infrastructures, basically the OSPF.  
21 So I don't recall whether we made it clear  
22 again during that visit or during that  
23 conversation, but certainly that, you know,  
24 in our presentation we -- we made it clear



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1 actually was held in the -- in Rome Lab,  
2 Massachusetts. And I don't recall when.  
3 Unless you have other e-mail to show, I  
4 don't recall when was that, you know,  
5 meeting took place.

6 Q. The e-mail back from Phil Porras to you was  
7 November 4th, 1996.

8 A. Um-hmm.

9 Q. Does that help you recollect whether the  
10 kick-off meeting was in the fall of 1996?

11 A. Yeah, should be that time frame. Yeah,  
12 should be that time frame.

13 Q. Now, you state in the second sentence, "In  
14 preparing this meeting we need to provide  
15 our contracting officer an estimate as to  
16 when our statistical module can be  
17 delivered."

18 A. Um-hmm.

19 Q. "Since our implementation will be based on  
20 yours --"

21 A. Um-hmm.

22 Q. "-- would you please give me a time frame  
23 when your revision will be ready?"

24 A. Um-hmm.

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1 Q. Do you recollect what revision you were  
2 seeking from SRI?

3 A. At that time, based on these e-mail notes,  
4 probably they are under -- they underwent a  
5 revision of their algorithm. This is the  
6 best explanation I can come up with. And  
7 so they're perhaps fine tuning, perhaps,  
8 you know, some revision going on at that  
9 time. And they indicated that, you know,  
10 they will be able to provide with a revised  
11 version to us. So that was the question I  
12 posed on them, basically asking a feel, you  
13 know, because our project will be using  
14 theirs as a foundation of the base module.  
15 So I basically tried to interlock with  
16 them. You know, make sure our project will  
17 be able to deliver based upon their revised  
18 algorithm.

19 Q. Does this refresh your recollection as  
20 to -- well, let me rephrase that.

21 What did you mean by statistical  
22 module? Is that software?

23 A. That was a design in our architecture. One  
24 component is called statistical module.

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1 All of the -- that's -- yeah, that's an  
2 architectural design. Interpretation, it  
3 was a software; correct.

4 Q. Did SRI give you software?

5 A. No. They have the algorithm developed, you  
6 know, and it was presented in the technical  
7 report form. And basically we used that  
8 algorithm as a base to implement, so the  
9 software was written by ourselves.

10 Q. Is this what you would call an  
11 architectural design document?

12 MS. PRESCOTT: Objection to form.

13 A. Which one?

14 Q. I'm trying to understand what they gave  
15 you.

16 A. They gave me the algorithm. Um-hmm.

17 Q. From the algorithm, could you then  
18 implement their statistical technique?

19 A. Yes.

20 Q. Ask the court reporter to mark at J8  
21 document bearing production numbers ISS  
22 00354559 to ISS 354606.

23 (Exhibit J8 was marked.)

24 This document is entitled Proceedings

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1           meant -- what I meant was the capability we  
2           implement was local in nature.

3    Q.    Um-hmm.

4    A.    And as the goal we try to achieve was to be  
5           able to scale this capability to a global  
6           label. So that was my intent in this  
7           description here. Basically as a next step  
8           in the capability it should be extend from  
9           local to a global area. Global scope.  
10        Yeah.

11   Q.    Okay. And now the DARPA project was a  
12        three-year project; correct?

13   A.    Right.

14   Q.    It was a limited in time; correct?

15   A.    Yeah, um-hmm.

16   Q.    And limited in funding money; correct?

17   A.    Yeah.

18   Q.    Had you had more time and money, would you  
19        have taken that natural extension step to a  
20        more global system?

21   A.    Definitely that was in our intent. But you  
22        know, again I should say this was a  
23        research project. There was no guarantee,  
24        you know, we would be able to bear any

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1 fruit even though if the time or resource  
2 is allowed at that point in time.

3 Q. If you go back to the architecture  
4 document, J18, on page 3.

5 A. Page 3. Okay.

6 Q. And if you go to Section 2.1.

7 A. Um-hmm.

8 Q. And you go to the third paragraph.

9 A. Um-hmm.

10 Q. The middle of it. And you say, "While it  
11 is not within the scope of this project, we  
12 expect that the detection analysis  
13 functions implemented in the local  
14 subsystem can be extended to a global level  
15 and correlate intrusion events among  
16 several routers." Do you see that?

17 A. Um-hmm.

18 Q. And then it goes on to say, "The management  
19 capability which is based on SNMP framework  
20 can logically be further extended among  
21 management nodes in a hierarchical fashion  
22 to establish a status map for an autonomous  
23 system."

24 A. Um-hmm.

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1 Q. Now, while your DARPA project was limited  
2 in time and funding, did you create the  
3 design such that it could be extended in  
4 this hierarchical fashion?

5 A. I would not say created, because the SNMP  
6 network by its nature is to monitor remote  
7 system.

8 Q. Um-hmm.

9 A. And be able to reflect a healthy -- the  
10 healthy -- the status of the network, you  
11 know, it's healthy, whether it's healthy or  
12 it's, you know, under stress. That was the  
13 intent of the SNMP framework. And our  
14 thinking at that point in time was to take  
15 advantage of this SNMP by the fact that  
16 it's able to monitor several systems in a  
17 distributive fashion. And you know, the  
18 challenge at that point was how do you  
19 correlate. I think that was the main  
20 technical challenge at that point in time  
21 in terms of how do you collect -- collect  
22 of the local detection result was not an  
23 issue. The issue was how do you come up  
24 with the intelligence, how do you correlate

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1 all the relevant information and be able  
2 to, you know, derive a certain logical or  
3 reasonable conclusion, and able to, based  
4 upon this result, take action accordingly.  
5 I think that was the challenge, and the --  
6 you know, we did look into that aspect.  
7 But however at that point we did not have a  
8 very promising, you know, development at  
9 that time. At the conclusion of the  
10 project. So that was, you know, the open  
11 question at that point.

12 Q. And if you just saw the term correlate --

13 A. Um-hmm.

14 Q. -- what would that mean to you?

15 MS. PRESCOTT: Objection to form.

16 A. Correlate means how do you put two or more  
17 than two input together and derive  
18 meaningful information, or intelligence,  
19 out of these different infrastreams of  
20 information, and be able to come up with  
21 certain rationale or logic that what this,  
22 you know, behavior manifests to itself.

23 Probably that's kind of lengthy or  
24 wordy, but that's my understanding of this

H



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UNITED STATES DISTRICT Court

DISTRICT OF DELAWARE

SRI INTERNATIONAL, INC.,  
a California corporation

Plaintiff and  
Counterclaim-Defendant,

vs.

No. 04-1199 (SLR)

INTERNET SECURITY SYSTEMS, INC.,  
a Delaware corporation; INTERNET  
SECURITY SYSTEMS, INC., a Georgia  
corporation; and SYMANTEC  
CORPORATION, a Delaware corporation,

Defendants and  
Counterclaim-Plaintiffs. /

DEPOSITION OF GEORGE KESIDIS

VOLUME I

DATE: May 25, 2006

TIME: 9:13 a.m.

LOCATION: DAY CASEBEER MADRID & BATCHELDER  
20300 Stevens Creek Boulevard  
Suite 400  
Cupertino, CA 95014

REPORTED BY: KAREN L. BUCHANAN  
CSR No. 10772

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10:29:18 1 THE WITNESS: I'm not quite sure what you

10:29:18 2 mean, "the same."

10:29:19 3 BY MS. MOEHLMAN:

10:29:22 4 Q. Do they both stem from the NIDES algorithm?

10:29:23 5 A. Does EMERALD stem from NIDES?

10:29:28 6 Q. I'm talking about the statistical anomaly  
10:29:31 7 algorithms described in the patents in suit, and I'm  
10:29:35 8 talking about the statistical anomaly algorithms  
10:29:37 9 discussed in the JiNao paper.

10:29:38 10 MR. POLLACK: Objection. Vague and  
10:29:42 11 ambiguous, lacks foundation.

10:29:46 12 THE WITNESS: Again, a lot of the jargon is  
10:29:50 13 the same. They're both statistical approaches. But  
10:29:50 14 the context is very different, so I would say no.

10:29:53 15 BY MS. MOEHLMAN:

10:29:56 16 Q. How is the context very different, in your  
10:29:56 17 opinion?

10:29:59 18 A. The context is -- that statement I made is  
10:30:02 19 simply pointing out that you're looking in the one  
10:30:09 20 case at host-based audit logs and in the other case at  
10:30:13 21 network packets whizzing by on the wire. So any  
10:30:18 22 statistical algorithms, statistical algorithms, will  
10:30:23 23 have gross features in common but, depending on the  
10:30:25 24 time series and the nature of the data you're  
25 examining, will necessarily be quite different.

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10:30:33 1 Q. And it is your opinion that JiNao did not  
10:30:35 2 look at network packets?

10:30:39 3 A. Not in the same fashion that the EMERALD  
10:30:42 4 network service monitors do.

10:30:46 5 Q. Did the JiNao system look at network  
10:30:46 6 packets?

10:30:48 7 MR. POLLACK: Objection. Vague and  
10:30:50 8 ambiguous, asked and answered.

10:30:53 9 THE WITNESS: Did it look at network packets?  
10:31:03 10 It clearly reacted to network packets, so it  
10:31:03 11 definitely -- it definitely reacted to them.

10:31:06 12 BY MS. MOEHLMAN:

10:31:10 13 Q. What do you mean, it reacted to network  
10:31:10 14 packets?

10:31:19 15 A. Well, JiNao is primarily about detection of  
10:31:25 16 anomalies that pertain to the routing protocol, in  
10:31:32 17 this case, OSPF, the interior gateway protocol of  
10:31:33 18 OSPF. And this protocol -- a protocol is a program  
10:31:39 19 that's run by different machines, and they message  
10:31:43 20 each other as part of the execution of the program.  
10:31:46 21 And in the Internet, those messages are carried in  
10:31:47 22 Internet packets.

10:31:52 23 So in that sense, the messaging of the  
10:32:00 24 protocol uses IP, and JiNao is about examining the  
25 operation of OSPF in a router. And that operation

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10:32:13 1 reacts to route updates and other kinds of  
10:32:16 2 OSPF-related messages that are delivered by packets.  
10:32:20 3 So I can't say that it doesn't react to packets,  
10:32:26 4 therefore.

10:32:31 5 Q. So is it your opinion that algorithms that  
10:32:39 6 look at information about routing would not be  
10:32:40 7 relevant to the patents in suit?

10:32:43 8 MR. POLLACK: Objection. Lacks foundation,  
10:32:47 9 vague and ambiguous.

10:32:52 10 THE WITNESS: I would say no. I would say  
10:32:56 11 that it depends on how you look at those packets. And  
10:32:59 12 that's the key difference between a host-based and a  
10:33:05 13 network-based sensor. It's really a matter of the --  
10:33:11 14 how you react to them and the kinds of -- the kinds of  
10:33:14 15 operations you do as a result of observing such a  
10:33:19 16 packet and how you observe the packet: Are you simply  
10:33:24 17 taking note of the fact that it's a packet, or are you  
10:33:27 18 probing deeper into the payload, and everything in  
10:33:34 19 between. It's really fundamentally a question  
10:33:38 20 about -- I think I said, how you're reacting to the  
10:33:42 21 packet and what attributes of the packet you're  
10:33:42 22 reacting to.

10:33:56 23 BY MS. MOEHLMAN:

10:33:59 24 Q. What attribute -- if you were looking at a  
25 routing protocol, what attributes of a routing

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10:40:10 1 MS. MOEHLMAN: I'm just trying to understand  
10:40:14 2 your testimony, because you just spent several pages  
10:40:18 3 talking about how the network packets examined by  
10:40:22 4 JiNao don't fall within this claim. And you pointed  
10:40:25 5 to network surveillance. So when I asked you about  
10:40:28 6 network surveillance, you testified that you look at  
10:40:31 7 all packets on the wire. So when you say all packets  
10:40:35 8 on the wire, what particularly do you need to look at  
10:40:37 9 within a packet, or could it be anything?  
10:40:39 10 MR. POLLACK: Objection. Mischaracterizes  
10:40:43 11 the testimony. Vague and ambiguous. Lacks  
10:40:49 12 foundation.  
10:40:51 13 THE WITNESS: So the point is that when I  
10:40:54 14 have -- when I'm doing network surveillance, I'm  
10:40:57 15 looking at the packets as they're flowing by on the  
10:41:04 16 wire or through some reconnaissance port of the  
10:41:10 17 router. And all I have to -- in the sense of just  
10:41:14 18 trying to deal with this torrent of information, I'm  
10:41:18 19 typically, in the context of these patents examining  
10:41:27 20 fields in the header of the packet. And only in a  
10:41:31 21 very, very rudimentary way could I be exploring  
10:41:31 22 elements of the payload.  
10:41:36 23 BY MS. MOEHLMAN:  
10:41:39 24 Q. And how did JiNao not look at packets  
25 flowing on the wire?

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10:41:51 1 A. Well, in a couple of ways. The first is that  
10:41:58 2 it's examining only those packets that are in receipt  
10:42:04 3 by the router that it's trying to protect and on which  
10:42:12 4 it's trying to conduct intrusion detection. And only  
10:42:15 5 those packets that, in the case of the example in the  
10:42:29 6 paper, are germane to OSPF. And it's certainly  
10:42:31 7 reacting to elements in the payload to a level of  
10:42:34 8 detail that's simply out of the scope of these patents  
10:42:43 9 and would simply not be feasible. I went through the  
10:42:47 10 noninfringement story with regards -- sorry, the  
10:42:51 11 validity story with regard to JiNao in my report, and  
10:42:53 12 I could look through it.

10:42:55 13 Q. Feel free to reference it if you need to.  
10:42:59 14 But I'm trying to ask you questions, and if you need  
10:43:03 15 to reference it, that's why I marked all of these  
10:43:10 16 exhibits, so feel free. Let me ask you, just going  
10:43:15 17 to the next element on the '338 patent where it says,  
10:43:18 18 "receiving network packets handled by a network  
10:43:25 19 entity." I believe you said a router is a network  
10:43:25 20 entity. Am I right?

10:43:27 21 A. Sure.

10:43:32 22 Q. And did JiNao receive packets handled by a  
10:43:39 23 router?

10:43:39 24 MR. POLLACK: Objection. Vague and  
25 ambiguous.

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10:43:44 1 THE WITNESS: In that context, sure. It  
10:43:47 2 reacted to packets that are -- certain packets that  
10:43:56 3 are received by the router. So in the sense that it  
10:43:56 4 reacts to those packets, it receives them.

10:44:11 5 BY MS. MOEHLMAN:

10:44:17 6 Q. And as part of the OSPF protocol, is there  
10:44:19 7 something called a HELLO packet?

10:44:20 8 A. Sure.

10:44:23 9 Q. And what does a HELLO packet do?

10:44:32 10 A. It simply identifies the OSPF speaker to its  
10:44:41 11 peers.

10:44:45 12 Q. And does that indicate a network connection?

10:44:46 13 MR. POLLACK: Objection. Vague and  
10:44:46 14 ambiguous.

10:44:54 15 THE WITNESS: Network connection? In a very  
10:45:06 16 general sense, yes. Essentially, if I'm in receipt of  
10:45:10 17 a HELLO packet from an OSPF speaker, I know that that  
10:45:10 18 speaker is therefore connected to the network.

10:45:12 19 BY MS. MOEHLMAN:

10:45:19 20 Q. Did JiNao build long-term profiles,  
10:45:21 21 long-term statistical profiles?

10:45:25 22 MR. POLLACK: Objection. Vague and  
10:45:26 23 ambiguous.

10:45:29 24 THE WITNESS: Well, I guess in my reading of  
25 JiNao, I can't really say that it -- you know, in my

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10:49:22 1 A. Because it's not -- it's fundamentally not a  
10:49:24 2 method of network surveillance.

10:49:27 3 Q. So it's your opinion that it does not meet  
10:49:29 4 the preamble?

10:49:38 5 A. That's correct, yeah.

10:49:42 6 Q. Does it meet the first element, receiving  
10:49:47 7 network packets handled by a network entity?

10:49:48 8 MR. POLLACK: Objection. Vague and  
10:49:48 9 ambiguous.

10:49:51 10 THE WITNESS: The router receives the  
10:49:55 11 packets, strictly speaking. So JiNao is a mechanism  
10:49:57 12 sitting in a router that reacts to the receipt of  
10:50:01 13 those packets. So I would say qualifying it, yeah,  
10:50:01 14 you're right.

10:50:06 15 BY MS. MOEHLMAN:

10:50:11 16 Q. So does JiNao meet that first element or  
10:50:12 17 not?

10:50:16 18 A. I -- I mean, again, it's not receiving the  
10:50:20 19 network packet. It's reacting to certain attributes  
10:50:24 20 of it that are -- the packets already in receipt by  
10:50:28 21 the router or the line card on which JiNao is  
10:50:29 22 functioning.

10:50:34 23 Q. So if I had a component that receives data  
10:50:40 24 from a router, would that meet the claim? Could that  
25 possibly meet that claim element?



I

## PARTS, FORM, AND CONTENT OF APPLICATION

609.02

(A) Consider the information properly submitted in an IDS in the same manner that the examiner considers other documents in Office search files while conducting a search of the prior art in a proper field of search.

(1) For e-IDS, use the e-IDS icon on examiner's workstation to consider cited U.S. patents and U.S. patent application publications. See MPEP § 609.07 for more information on e-IDS.

(2) Initial the blank column next to the citation to indicate that the information has been considered by the examiner.

(B) Draw a line through the citation to show that it has not been considered if the citation fails to comply with all the requirements of 37 CFR 1.97 and 37 CFR 1.98. - The examiner should inform applicant the reasons why a citation was not considered.

(C) Write "not considered" on an information disclosure statement if none of the information listed complies with the requirements of 37 CFR 1.97 and 37 CFR 1.98. - The examiner will inform applicant the reasons why the IDS was not considered by using form paragraphs 6.49 through 6.49.09.

(D) Sign and date the bottom of the IDS listing.

(E) Ensure that a copy of the IDS listing that is signed and dated by the examiner is entered into the file and mailed to applicant.<

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## 609.02 Information Disclosure Statements in Continued Examinations or Continuing Applications [R-3]

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### \*IDS IN CONTINUED EXAMINATIONS OR CONTINUING APPLICATIONS

#### A. *IDS That Has Been Considered (1) in the Parent Application, or (2) Prior to the Filing of a Request for Continued Examination (RCE)*

##### 1. Continued Prosecution Applications (CPAs) Filed Under 37 CFR 1.53(d) \*\*

Information which has been considered by the Office in the parent application of a continued prosecution

application (CPA) filed under 37 CFR 1.53(d) \*\* will be part of the file before the examiner and need not be resubmitted in the continuing application to have the information considered and listed on the patent.

##### 2. Continuation Applications \*\*, < Divisional Applications, \*\* or Continuation-In-Part Applications Filed Under 37 CFR 1.53(b)

The examiner will consider information which has been considered by the Office in a parent application when examining (A) a continuation application filed under 37 CFR 1.53(b) \*\* (B) a divisional application filed under 37 CFR 1.53(b) \*\* or (C) a continuation-in-part application filed under 37 CFR 1.53(b). A listing of the information need not be resubmitted in the continuing application unless the applicant desires the information to be printed on the patent.

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If resubmitting a listing of the information, applicant should submit a new listing that complies with the format requirements in 37 CFR 1.98(a)(1). Applicants are strongly discouraged from submitting a list that includes copies of PTO/SB/08 (PTO-1449) or PTO-892 forms from other applications. A completed PTO/SB/08 or PTO-1449 form from another application may already have initials of an examiner and the application number of another application. This information will likely confuse the record. Furthermore, when the spaces provided on the form have initials of an examiner, there are no spaces available next to the documents listed for the examiner of the subsequent application to provide his or her initials, and the previously relevant initials may be erroneously construed as being applied for the current application.<

##### 3. Requests for Continued Examination (RCE) Under 37 CFR 1.114

Information which has been considered by the Office in the application before the filing of a RCE will be part of the file before the examiner and need not be resubmitted to have the information considered by the examiner and listed on the patent.